DVDO

DVDO-Splitter-12-SE
1x2 HDMI 2.0 18Gbps Splitter
with Scaler / Audio Extraction

User Manual

Version 1.0.0

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Table of Contents

1. Introduction

The 1x2 HDMI 2.0 Splitter simultaneously routes one HDMI source to two HDMI displays. It supports resolutions up to 4K2K@60Hz (4:4:4) and HDCP 2.2. This product supports audio extraction from HDMI source to optical and analog outputs. It can operate in COPY, AUTO modes for EDID setting. Output supports bypass and downscaling (4K->1080P) functions.

2. Features

☆   HDMI 2.0b, HDCP2.2 / HDCP1.4 compliant.
☆   Supports HDMI resolutions up to 4K2K@50/60Hz (4:4:4)
☆   Extracts digital and analog audio from HDMI source.
☆   Supports output bypass and 4K->1080P downscaling
     function via dial switch on panel.
☆   EDID can be set to COPY and AUTO modes via panel dial.
     COPY: Copies OUT 1 port EDID setting to all output ports;
     AUTO: Compares OUT 1 and OUT 2 EDID setting and outputs
         the best resolution to all outputs).
☆   Supports HDMI audio formats LPCM, Dolby
     Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24,
     DTS High Res, DTS-HD Master Audio, DSD

3. Package Contents

① 1× 1×2 HDMI 2.0 Splitter

② 1× 5V/1A Power Adapter

③ 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	720P50/60Hz, 1080P50/60Hz, 4K2K24Hz, 4K2K30Hz, 4K2K@50/60Hz (4:4:4)
Color Depth	4K60Hz 8-bit, 1080P 12-bit
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

L/R Audio Formats	PCM 2.0
Optical Audio Formats	LPCM [2.0/2.1]CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS 5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1
ESD Protection	Human-body Model: ± 8kV (Air-gap discharge) , ± 4kV (Contact discharge)
Connections	
Input ports	1×HDMI Type A [19-pin female]
Output ports	2×HDMI Type A [19-pin female] 1×L/R Audio out [3.5mm Stereo Mini-jack] 1×Optical out [S/PDIF]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm(W)×62.5mm(D)×14mm(H)
Weight	166g
Power Supply	Input: AC100~240V 50/60Hz, Output: DC5V/1A (US/EU standards, CE/FCC/UL certified)

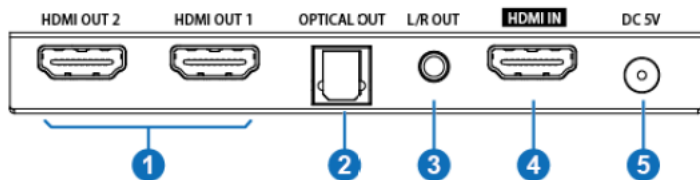| Power Consumption	2.8W (max)
Operating Temperature	0° C ~ 40° C / 32° F ~ 104° F
Storage Temperature	-20° C ~ 60° C / -4° F ~ 140° F
Relative Humidity	20~90% RH (non-condensing)

5.Operation Controls and Functions

5.1 Front Panel

Number	Name	Function description
1	POWER LED	This blue LED will illuminate when the unit has connected power supply.
2	HDMI	This blue LED will illuminate when the HDMI IN has connected an active HDMI source

	INPUT LED	device with a HDMI cable.
3	HDMI OUTPUT LED	These blue LEDs will illuminate when the HDMI OUT port has connected an active display device with a HDMI cable.
4	SERVICE port	Firmware update. (Manufacturer use only.)
5	EDID	AUTO: Compare OUT 1 and OUT 2 displays EDID setting, then output the best resolution to source device, the source will transmit the signal again to all outputs. COPY: Copy the HDMI OUT 1 port EDID setting to source device, the source device will transmit again the signal to all outputs.
6	Dial switch (4K→1080P)	OFF: When the dial switch is in 'OFF' position, signal input and output is bypass status. ON: When the dial switch is in 'ON' position, signal input will downscale (4k->1080P) output.

5.2 Rear Panel

Number	Name	Function description
1	HDMI OUTPUT	Connect to HDMI display device such as TV or monitor.
2	OPTICAL OUT	Optical audio output.
3	L/R OUT	Analog audio output.
4	HDMI IN	Connect to HDMI source device such as DVD player or gaming console.
5	DC 5V	Plug the 5V/1A DC power supply into the unit and connected the adapter to an AC outlet.

6. Application Example

HDMI OUT 2 | HDMI OUT 1 | OPTICAL OUT | L/R OUT | HDMI IN | DC 5V

UHDTV | UHDTV | Amplifier | 2.0 Speakers | DVD or Blu-ray Player